

CRF Errors Corrected by the STIC System Branch

01PE

6/4/98

CRF Processing Date: _____
 Edited by: _____
 Verified by: ATC (STIC staff)

Serial Number: 09/084,691

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☒ Other: corrected PRIOR APP DATA heading

***Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.**

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/084,691

DATE: 06/04/98
TIME: 14:57:28

INPUT SET: S26411.raw

This Raw Listing contains the General Information Section and up to the first 5 pages.

SEQUENCE LISTING

(1) General Information:

Does Not Comply
Corrected Diskette Needed

(i) APPLICANTS: BUKH, J., MILLER, R.H. AND
PURCELL, R.H.

(ii) TITLE OF INVENTION: NUCLEOTIDE AND DEDUCED
AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
CORE GENES OF ISOLATES OF HEPATITIS C VIRUS
AND THE USE OF REAGENTS DERIVED FROM THESE
SEQUENCES IN DIAGNOSTIC METHODS AND
VACCINES

(iii) NUMBER OF SEQUENCES: 263

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: MORGAN & FINNEGAN, L.L.P.
(B) STREET: 345 PARK AVENUE
(C) CITY: NEW YORK
(D) STATE: NEW YORK
(E) COUNTRY: USA
(F) ZIP: 10154

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: FLOPPY DISK
(B) COMPUTER: IBM PC COMPATIBLE
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: WORDPERFECT 5.1

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: TO BE ASSIGNED
(B) FILING DATE: 26-MAY-1998

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: 08/290,665
(B) FILING DATE: 15-AUG-1994

PA/6/2
(viii) ~~(viii)~~ CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: 08/086,428
(B) FILING DATE: 29-JUNE-1993

(viii) ~~(ix)~~ ATTORNEY/AGENT INFORMATION:

(A) NAME: RICHARD W. BORK
(B) REGISTRATION NUMBER: 36,459
(C) REFERENCE/DOCKET NUMBER: 2026-4116US2

RAW SEQUENCE LISTING PATENT APPLICATION US/09/084,691

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INPUT SET: S26411.raw

47

48

(ix)(*)

TELECOMMUNICATION INFORMATION:

49

(A) TELEPHONE: (212) 758-4800

50

(B) TELEFAX: (212) 751-6849

51

(C) TELEX: 421792

52

53

(2) INFORMATION FOR SEQ ID NO:1:

54

55

(i) SEQUENCE CHARACTERISTICS:

56

(A) LENGTH: 576 base pairs

57

(B) TYPE: nucleic acid

58

(C) STRANDEDNESS: single

59

(D) TOPOLOGY: linear

60

61

(vi) ORIGINAL SOURCE:

62

(A) ORGANISM: homosapiens

63

(C) INDIVIDUAL ISOLATE: DK7

64

65

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

66

67

TAC CAA GTG CGC AAC TCC ACG GGG CTT TAC CAT GTC ACC 39

68

AAT GAT TGC CCT AAC TCG AGT ATC GTG TAC GAG GCG GCC 78

69

GAT GCC ATC CTG CAC ACT CCG GGG TGT GTC CCT TGC GTT 117

70

CGC GAG GGT AAC GTC TCG AGG TGT TGG GTG GCG ATG ACC 156

71

CCC ACG GTG GCC ACC AGG GAT GGC AAA CTC CCC ACA GCG 195

72

CAG CTT CGA CGT CAC ATC GAT CTG CTC GTC GGG AGT GCC 234

73

ACC CTC TGT TCG GCC CTC TAC GTG GGG GAC CTG TGC GGG 273

74

TCT GTC TTT CTT GTC GGT CAA CTG TTT ACC TTC TCT CCC 312

75

AGG CGC CAC TGG ACG ACG CAA GGC TGC AAT TGT TCT ATC 351

76

TAT CCT GGC CAT ATA ACG GGT CAC CGC ATG GCG TGG GAT 390

77

ATG ATG ATG AAC TGG TCC CCT ACC ACG GCG TTG GTA GTA 429

78

GCT CAG CTG CTC CGG ATC CCG CAA GCC ATC TTG GAC ATG 468

79

ATC GCT GGT GCT CAC TGG GGA GTC CTG GCG GGC ATA GCG 507

80

TAT TTT TCC ATG GTG GGG AAC TGG GCG AAG GTC CTG GTA 546

81

GTG CTG CTG CTA TTT GCC GGC GTC GAC GCG 576

82

83

84

(2) INFORMATION FOR SEQ ID NO:2:

85

86

(i) SEQUENCE CHARACTERISTICS:

87

(A) LENGTH: 576 base pairs

88

(B) TYPE: nucleic acid

89

(C) STRANDEDNESS: single

90

(D) TOPOLOGY: linear

91

92

(vi) ORIGINAL SOURCE:

93

(A) ORGANISM: homosapiens

94

(C) INDIVIDUAL ISOLATE: DK9

95

96

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

97

98

TAC CAA GTA CGC AAC TCC TCG GGC CTC TAC CAT GTC ACC 39

99

AAT GAT TGC CCT AAC TCG AGT ATT GTG TAC GAG GCG GCC 78

RAW SEQUENCE LISTING PATENT APPLICATION US/09/084,691

DATE: 06/04/98
TIME: 14:57:29

INPUT SET: S26411.raw

100	GAT GCC ATC CTG CAT TCT CCA GGG TGT GTC CCT TGC GTT	117
101	CGC GAG GGT AAC GCC TCG AAA TGT TGG GTG GCG GTG GCC	156
102	CCC ACG GTG GCC ACC AGG GAC GGC AAG CTC CCC GCA ACG	195
103	CAG CTT CGA CGT CAC ATC GAT CTG CTT GTC GGG AGC GCC	234
104	ACC CTC TGC TCG GCC CTC TAT GTG GGG GAC TTG TGC GGG	273
105	TCT GTC TTC CTT GTC GGC CAA CTG TTC ACC TTC TCC CCC	312
106	AGA CGC CAC TGG ACA ACG CAA GAC TGC AAC TGT TCT ATC	351
107	TAC CCC GGC CAT ATT ACG GGT CAT CGC ATG GCG TGG GAT	390
108	ATG ATG ATG AAC TGG TCC CCT ACA GCA GCG CTG GTA ATG	429
109	GCG CAG CTG CTC AGG ATC CCG CAG GCC ATC TTG GAC ATG	468
110	ATC GCT GGT GCC CAC TGG GGA GTC CTA GCG GGC ATA GCG	507
111	TAT TTC TCC ATG GTG GGG AAC TGG GCG AAG GTC GTG GTG	546
112	GTA CTG TTG CTG TTT ACC GGC GTC GAT GCG	576

113

114

115 (2) INFORMATION FOR SEQ ID NO:3:

116

117 (i) SEQUENCE CHARACTERISTICS:

118 (A) LENGTH: 576 base pairs

119 (B) TYPE: nucleic acid

120 (C) STRANDEDNESS: single

121 (D) TOPOLOGY: linear

122

123 (vi) ORIGINAL SOURCE:

124 (A) ORGANISM: homosapiens

125 (C) INDIVIDUAL ISOLATE: DR1

126

127 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

128

129	CAC CAA GTG CGC AAC TCT ACA GGG CTT TAC CAT GTC ACC	39
130	AAT GAT TGC CCT AAT TCG AGT ATT GTG TAC GAG GCG GCC	78
131	GAT GCC ATC CTG CAC GCG CCG GGG TGT GTC CCT TGC GTT	117
132	CGC GAG GGT AAC GCC TCG AGG TGT TGG GTG GCG GTG ACC	156
133	CCC ACG GTG GCC ACC AGG GAC GGC AAA CTC CCC ACA ACG	195
134	CAG CTT CGA CGT CAC ATC GAC CTG CTT GTC GGG AGC GCC	234
135	ACC CTC TGC TCG GCC CTC TAC GTG GGG GAC CTG TGC GGG	273
136	TCT GTC TTC CTT GTC GGT CAA CTG TTC ACC TTT TCT CCC	312
137	AGG CGC CAC TGG ACA ACG CAA GAC TGC AAT TGT TCT ATC	351
138	TAT CCC GGC CAT ATA ACG GGA CAC CGT ATG GCA TGG GAT	390
139	ATG ATG ATG AAC TGG TCC CCT ACG ACA GCG CTG GTA ATG	429
140	GCT CAG CTG CTC CGG ATC CCA CAA GCC ATC TTG GAC ATG	468
141	ATC GCT GGA GCC CAC TGG GGA GTC CTA GCG GGC ATA GCG	507
142	TAT TTC TCC ATG GTG GGG AAC TGG GCG AAG GTC GTG GTA	546
143	GTG CTG TTG CTG TTT GCC GGC GTT GAT GCG	576

144

145

146 (2) INFORMATION FOR SEQ ID NO:4:

147

148 (i) SEQUENCE CHARACTERISTICS:

149 (A) LENGTH: 576 base pairs

150 (B) TYPE: nucleic acid

151 (C) STRANDEDNESS: single

152 (D) TOPOLOGY: linear

RAW SEQUENCE LISTING PATENT APPLICATION US/09/084,691

DATE: 06/04/98
TIME: 14:57:30

INPUT SET: S26411.raw

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153
154      (vi) ORIGINAL SOURCE:
155          (A) ORGANISM:  homosapiens
156          (C) INDIVIDUAL ISOLATE:  DR4
157
158      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
159
160      CAC CAA GTG CGC AAC TCT ACA GGG CTT TAC CAT GTC ACC      39
161      AAT GAT TGC CCT AAT TCG AGT ATT GTG TAC GAG GCG GCC      78
162      GAT GCC ATC CTG CAC ACG CCG GGG TGT GTC CCT TGC GTT      117
163      CGC GAG GGT AAC ACC TCG AGG TGT TGG GTG GCG GTG ACC      156
164      CCC ACG GTG GCC ACC AGG GAC GGC AAA CTC CCC ACA ACG      195
165      CAG CTC CGA CGT CAC ATC GAC CTG CTT GTC GGG AGC GCC      234
166      ACC CTC TGC TCG GCC CTC TAC GTG GGG GAC TTG TGC GGG      273
167      TCT GTC TTC CTT GTC GGT CAA CTG TTC ACC TTC TCT CCC      312
168      AGG CAC CAC TGG ACA ACG CAA GAC TGC AAT TGT TCC ATC      351
169      TAT CCC GGC CAT ATA ACG GGC CAC CGC ATG GCG TGG GAT      390
170      ATG ATG ATG AAC TGG TCC CCT ACG ACA GCG CTG GTA GTA      429
171      GCT CAG CTG CTC CGG ATC CCA CAA GCC ATC TTG GAC ATG      468
172      ATC GCT GGT GCC CAC TGG GGA GTC CTA GCG GGC ATA GCG      507
173      TAT TTC TCC ATG GTG GGG AAC TGG GCG AAG GTC CTG GTA      546
174      GTG CTG TTG CTG TTT GCC GGC GTT GAT GCG      576
175
176
177      (2) INFORMATION FOR SEQ ID NO:5:
178
179      (i) SEQUENCE CHARACTERISTICS:
180          (A) LENGTH: 576 base pairs
181          (B) TYPE: nucleic acid
182          (C) STRANDEDNESS: single
183          (D) TOPOLOGY: linear
184
185      (vi) ORIGINAL SOURCE:
186          (A) ORGANISM:  homosapiens
187          (C) INDIVIDUAL ISOLATE:  S14
188
189      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
190
191      TAC CAA GTG CGC AAC TCC ACG GGG CTT TAC CAT GTT ACC      39
192      AAT GAT TGC CCT AAC TCG AGT ATT GTG TAC GAG ACA GCT      78
193      GAT GCT ATC CTA CAC GCT CCG GGA TGT GTC CCT TGC GTT      117
194      CGT GAG GGT AAC ACC TCG AGG TGT TGG GTG GCG ATG ACC      156
195      CCC ACG GTG GCC ACC AGG GAC GGC AAA CTC CCC GCA ACG      195
196      CAG CTT CGA CGT TAC ATC GAT CTG CTT GTC GGG AGC GCC      234
197      ACC CTC TGT TCG GCC CTC TAC GTG GGG GAC TTG TGC GGG      273
198      TCT GTC TTT CTT GTC GGT CAG CTG TTT ACC TTC TCT CCC      312
199      AGG CGC CTC TGG ACG ACG CAA GAC TGC AAT TGT TCT ATC      351
200      TAT CCC GGC CAT ATA ACG GGT CAT CGC ATG GCA TGG GAT      390
201      ATG ATG ATG AAC TGG TCC CCT ACG ACG GCA CTG GTA GTA      429
202      GCT CAG CTG CTC CGG ATC CCA CAA GCC ATC TTG GAT ATG      468
203      ATC GCT GGT GCT CAC TGG GGA GTC CTA GCG GGC ATA GCG      507
204      TAT TTC TCC ATG GTG GGA AAC TGG GCG AAG GTC CTA GTG      546
205      GTG CTG CTG CTA TTC GCC GGC GTT GAC GCG      576

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/084,691DATE: 06/04/98
TIME: 14:57:31

INPUT SET: S26411.raw

206

207

208 (2) INFORMATION FOR SEQ ID NO:6:

209

210 (i) SEQUENCE CHARACTERISTICS:

211 (A) LENGTH: 576 base pairs

212 (B) TYPE: nucleic acid

213 (C) STRANDEDNESS: single

214 (D) TOPOLOGY: linear

215

216 (vi) ORIGINAL SOURCE:

217 (A) ORGANISM: homosapiens

218 (C) INDIVIDUAL ISOLATE: S18

219

220 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

221

222 TAC CAA GTA CGC AAC TCC ACG GGC CTT TAC CAT GTC ACC 39

223 AAT GAC TGC CCT AAC TCG AGC ATT GTG TAC GAG ACG GCC 78

224 GAT ACC ATC CTA CAC TCT CCG GGG TGT GTC CCT TGC GTT 117

225 CGC GAG GGT AAC GCC TCG AGA TGT TGG GTG CCG GTG GCC 156

226 CCC ACA GTT GCC ACC AGG GAC GGC AAA CTC CCC GCA ACG 195

227 CAG CTT CGA CGT CAC ATC GAT CTG CTT GTT GGG AGC GCC 234

228 ACC CTC TGC TCG GCC CTC TAT GTG GGG GAC CTG TGC GGG 273

229 TCT GTC TTT CTT GTC AGC CAG CTG TTC ACT ATC TCC CCC 312

230 AGG CGC CAC TGG ACA ACG CAA GAC TGC AAC TGT TCT ATC 351

231 TAC CCC GGC CAT ATA ACG GGT CAC CGT ATG GCA TGG GAT 390

232 ATG ATG ATG AAC TGG TCC CCT ACA ACG GCG TTG GTA ATA 429

233 GCT CAG CTG CTC AGG GTC CCG CAA GCC GTC TTG GAC ATG 468

234 ATC GCT GGT GCC CAC TGG GGA GTC CTA GCG GGC ATA GCG 507

235 TAT TTC TCC ATG GCG GGG AAC TGG GCG AAG GTC CTG CTA 546

236 GTG CTG TTG CTG TTT GCC GGC GTC GAT GCG 576

237

238

239 (2) INFORMATION FOR SEQ ID NO:7:

240

241 (i) SEQUENCE CHARACTERISTICS:

242 (A) LENGTH: 576 base pairs

243 (B) TYPE: nucleic acid

244 (C) STRANDEDNESS: single

245 (D) TOPOLOGY: linear

246

247 (vi) ORIGINAL SOURCE:

248 (A) ORGANISM: homosapiens

249 (C) INDIVIDUAL ISOLATE: SW1

250

251 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

252

253 TAC CAA GTA CGC AAC TCC TCG GGC CTT TAC CAT GTC ACC 39

254 AAT GAT TGC CCT AAC TCG AGT ATT GTG TAC GAG ACG GCC 78

255 GAT GCC ATT CTA CAC TCT CCA GGG TGT GTC CCT TGC GTT 117

256 CGC GAG GAT GGC GCC CCG AAG TGT TGG GTG GCG GTG GCC 156

257 CCC ACA GTC GCC ACT AGG GAC GGC AAA CTC CCT GCA ACG 195

258 CAG CTT CGA CGT CAC ATC GAT CTG CTT GTC GGA AGC GCC 234

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/09/084,691

DATE: 06/04/98
TIME: 14:57:34

INPUT SET: S26411.raw

Line	Error	Original Text
32	Wrong application Serial Number	(A) APPLICATION NUMBER: TO BE ASSIGNED
40	Wrong application Serial Number	(A) APPLICATION NUMBER: 08/086,428